

What Is Claimed Is:

1. A dosing device (1) for liquid fuels, in particular for input into a chemical reformer in order to recover hydrogen or into a post-combustion device in order to generate heat, comprising at least one metering device (2) for metering fuel into a metering conduit (8), and having a nozzle body (7), adjoining the metering conduit (8), that has at least one spray discharge opening which opens into a metering chamber, wherein the dosing device (1) has at least one heating element (4) made up of a wire braid networked in mesh fashion and/or a tubular hollow element, with which heat can be delivered to the fuel.
2. The dosing device as recited in Claim 1, wherein the metering conduit (8) and the metering device (2) are joined in hydraulically sealed and detachable fashion by way of an adapter (6).
3. The dosing device as recited in Claim 1 or 2, wherein the adapter (6) has an air inlet (9) that is connected, in the adapter (6), to the metering conduit (8).
4. The dosing device as recited in one of Claims 1 through 3, wherein the heating element (4) is operated or heated electrically.
5. The dosing device as recited in one of Claims 1 through 4, wherein the heating element (4) can deliver heat at least to a part of the metering conduit (8) and/or of the adapter (6) and/or of the metering device (2) and/or of the nozzle body (7).
6. The dosing device as recited in one of Claims 1 through 5, wherein the heating element (4) is immobilized using of an attachment element (3) made in particular of plastic, dip resin, or ceramic.
7. The dosing device as recited in one of Claims 1 through 6,

wherein the heating element (4) and/or the attachment element (3) is at least partially surrounded by an insulating layer (12) made in particular of temperature-resistant plastic or of ceramic.

8. The dosing device as recited in one of Claims 1 through 7, wherein the heating element (4) is regulated in terms of its heat output by a controller, in particular on the basis of the temperature in the metering chamber, or is controlled or regulated on the basis of other operating parameters.

9. The dosing device as recited in one of Claims 1 through 8, wherein the metering device (2) is a fuel injection valve.

10. The dosing device as recited in Claim 9, wherein the fuel injection valve is a low-pressure fuel injection valve that operates at fuel pressures of up to 10 bar.

11. The dosing device as recited in one of Claims 1 through 10, wherein the metering conduit (8) has in its axial extent at least one reduced-wall-thickness point or one reduced-wall-thickness region.

12. The dosing device as recited in one of Claims 1 through 11, wherein the heating element (4) is disposed after the spray discharge opening (15).

13. The dosing device as recited in one of Claims 1 through 11, wherein the heating element (4) is disposed in the nozzle body (7) and/or in the metering conduit and/or in the adapter (6) and/or in or on the metering device (2).